

FIG. 1A

100 GTCAAGTGTATACGTGAGAGACTGGCGCTGGCTCAGGACTGGGATTAGCGGGCTCTGCTCAAAACCGCGGCTTTTACATTAGGAGTGGTGG  
 199 GGGAGAGTCCCTAGGATTTCTAGTGAAAGTGACAGCGCTTGGTGGACTTTGGGACCTTCGTGAAGCTTCTGCTTGGAGCTGAGACTTGCATGCC ATG  
 I M  
 274 GAA CAC CCC CTC TTT GGC TGC CTG CGC AGC CCC CAC GCC ACA GGG CAA GGC TTG CAC CCC TTC TCG CAG TCT TCT  
 26 E H P L F G C L R S P H A T A Q G L H P F S Q S S  
 349 CTG GCC CTC CAT GGA AGA TCT GAC CAC ATG TCC TAC CCC GAA CTC TCC ACA TCT TCC TCG TCT TCG ATA ATC GCG  
 51 L A L H G R S D H M S Y P E L S T S S S C I I A  
 424 GGA TAC CCC AAT GAG GAG GGC ATG TTT GCC AGC CAG CAT CAC AGG GGG CAC CAC CAC CAC CAC CAC CAC CAT  
 76 G Y P N E E G M F A S Q H H R G H H H H H H H  
 499 CAC CAC CAC CAG CAG CAG CAG GCT CTG CAA AGC AAC TGG CAC CTC CCG CAG ATG TCC TCC CCG CCA AGC  
 101 H H H Q Q Q Q H Q A L Q S N W H L P Q H S S P P S  
 574 GCG GCC CCG CAC AGC CTT TGC CTG CAG CCT GAT TCC GGA GGG CCC CCG GAG CTG GGG AGC AGC CCT CCG GTC CTC  
 126 A A R H S L C L Q P D S G G P P E L G S S P P V L  
 649 TGC TCC AAC TCT TCT AGC CTG GGC TCC AGC ACC CCG ACC GGA GCC GCG TGC GCA CCA AGG GAT TAT GGC CGT CAA  
 151 C S N S S L G S S T P T G A A C A P R D Y G R Q  
 724 GCG CTG TCA CCC GCA GAA GTG GAG AAG AGA AGT GGC AGC AAA AGA AAA AGC GAC AGT TCA GAT TCC CAG GAA GGA  
 176 A L S P A E V E K R S G S K R K S D S S D S Q E G  
 799 AAT TAC AAG TCA GAA GTG AAC AGC AAA CCT AGG AAG GAA AGA ACA GCT TTC ACC AAA GAG CAA ATC AGA GAA CTT  
 201 N Y K S E V N S K P R K E R T A F T K E Q I R E L  
 874 GAG GCA GAG TTC GCC CAT AAC TAT CTG ACC AGA CTG AGA AGA TAT GAG ATA GCG GTG AAC CTA GAC CTC ACT  
 220 E A E F A H H N Y L T R L R R Y E I A V N L D L T

MATCH TO FIG. 1B

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## MATCH TO FIG. 1A

GAA AGA CAG GTG AAA GTG TGG TTC CAG AAC AGG AGA ATG AAG TGG AAG CGG GTC AAG	GGG GGA CAA CAA GGA GCT	949
E R Q V K V N F Q N R R H K N K R V K	G G Q Q G A	251
GCA GCC CGA GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTT CCA TCA GAG CTG TCA GGA ATT GGT GCA		1024
A A R E K E L V N V K K G (T) L L P S E L S G I G A		276
GCC ACC CTC CAG CAG ACA GGG GAC TCA CTA GCA AAT GAC GAC AGT CGC GAT AGT GAC CAC AGC TCT GAG CAC GCA		1099
A T L Q Q T G D S L A N D D S R D (S) D H S S E H A		301
CAC TTA TGA TACATACAGAGACCAGCTCCGTTCTCAGGAAAGCACCATTGTGATGGCAATCTCACCCAAACATCGTTTACATGGCAGATGACTGTG		1196
H L STOP		303
GCAGTGTTCCTTAATAATAATAAACGCAGGCATCTCAAGTCGTTCATCATGATTGATAGAGGTTTACACTAAGTGCCTCTTATTGAAGATGCTTCCAC		1296
AGTGAAATTGGAGAAAGTGAACATATCTAATATACTTGTTCCTTATATGACAGAGAGGAGATGAATGTTTGGCTTGGCTTGGCACTGAAAAATTAAATTG		1396
CTACCAAGAGCAAACTCGGTAAAGACATTTTGACTCAAGTTTGCTCCAGAGTGAAGATGTTATAGAAATGCTTTGAACATCCAGTTGTACCAGGTCAATG		1496
GTGTGACACTGGGCAGGTATTTGCTTTTGCTTGACACTGAAACTTAAACTGCTATCAAGTTAACCCATGAAATAGTTTATCTTGAACAGCCACAGTGCCTG		1596
AAATCACCAGTGGATATAAAATGAACJGAAATTCIGTATATATTACTCCTAAGTCAATTTTCCCTGCTTCACTAATTTTAGCAATGTCATATATAGC		1696
TGATGAAATAGGCTTTCCCGTGGACAAATGCAGCCAGCTTCCTGTAATTTTATACATTTTTTTTGTGTCAGTCAAGACATCAGTATGTGCTTACTTGTGT		1796
CAAGTAGAGGAAATGCAGTAGAGTCTGTATAGGACATATCTTGGTACCACAGACAAACAAATCTTCTGTGCTTGCATATCAACTGCTGCACATACAT		1896
TAGAGAACACACCTAGCCCCCTCCAGCCTCCCTCTGTTATCGCTCGAAGACATTAGCGTCA TAGGCAAGTAGTTACCTTGGCAATGAGTCTTGTGTGG		1996
CAGATGCTGATTTTGTATCTTTAAACTGTAAATGGTATGTGTCTGCTTCAAGTTAACAGGGAAGAAAGATTCTTCCCTCATTTTATGATACAAAACCCA		2096
AGTGCCAAACAAGCTAGTCTTCAAGGGATAGATGAGAAACTGAAATGCTGACAAGTAGACTCAGCGGAAATACATTTATTTTTCAGAGGCTGTGTATTC		2196
ATGCAGTACAAGTCTTGTATTTTGTAAAAAAAAGTTAAATAAATG		2244

FIG. 1B

FIG. 2

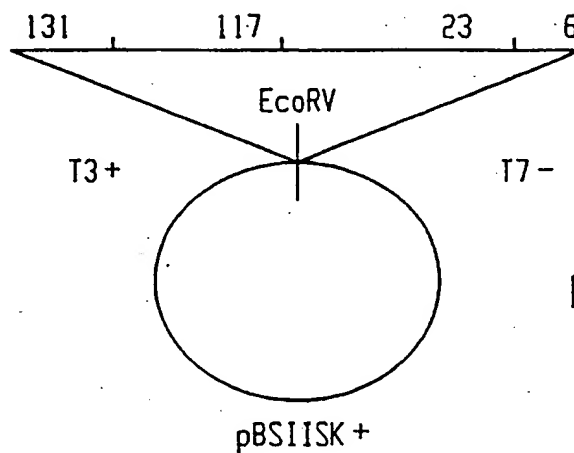
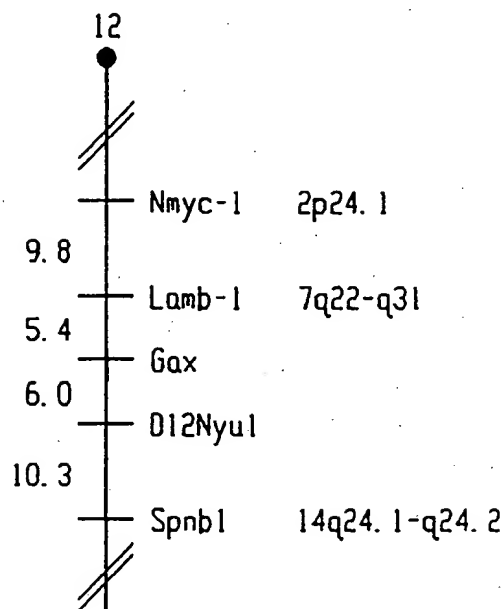
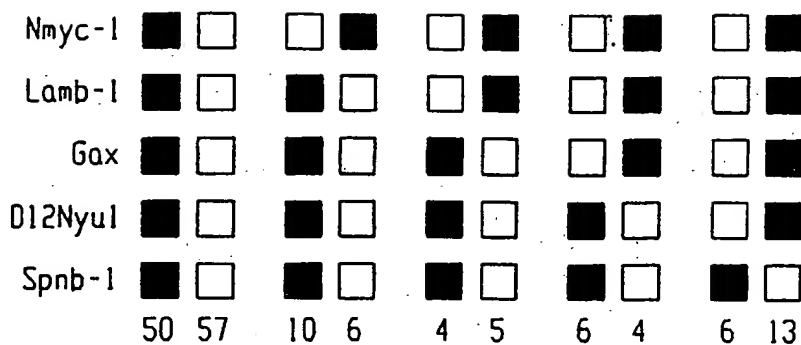


FIG. 4

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FIG. 3

83 GTCCTACCTGGAACCGAACTTGCAATGCT ATG GAA CAC CCG CTC TTT GGC TGC CTG CCG AGC CCT CAC GCC ACG GCG CAA  
 17 M E H P L F G C L R S P H A T A Q  
 158 GGC TTG CAC CCG TTC TCC CAA TCC TCT CTC GCC CTC CAT GGA AGA TCT GAC CAT ATG TCT TAC CCC GAG CTC TCT  
 42 G L H P F S Q S S L A L H G R S D H M S Y P E L S  
 233 ACT TCT TCC TCA TCT TGC ATA ATC GCG GGA TAC CCC AAC GAA GAG GAC ATG TTT GCC AGC CAG CAT CAC AGG GGG  
 67 T S S S C I I A G Y P N E E D H F A S Q H H R G  
 300 CAC CAC CAC CAC CAC CAT CAC CAC CAT CAG CAG CAG CAG CAG GCT CTG CAA ACC AAC TGG CAC CTC  
 92 H H H H H H H H H H Q Q Q Q H Q A L Q T N W H L  
 383 CCG CAG ATG TCT TCC CCA CCG AGT GCG GCT CGG CAT AGC CTC TGC CTC CAG CCC GAC TCT GGA GGG CCC CCA GAG  
 117 P Q H S S P P S A A R H S L C L Q P D S G G P P E  
 450 TTG GGG AGC AGC CCG CCC GTC CTG TGC TCC AAC TCT TCC AGC TTG GGC TCC AGC ACC CCG ACT GGG GCC GCG TGC  
 142 L G S S P P V L C S N S S L G S S T P T G A A C  
 533 GCG CCG GGG GAC TAC GGC CCG CAG GCA CTG TCA CCT GCG GAG GCG GAG AAG CGA AGC GGC GGC AAG AGG AAA AGC  
 167 A P Q D Y G R Q A L S P A E A E K R S G G K R K S  
 600 GAC AGC TCA GAC TCC CAG GAA GGA AAT TAC AAG TCA GAA GTC AAC AGC AAA CCC AGG AAA GAA AGG ACA GCA TTT  
 192 D S S D S Q E G N Y K S E V N S K P R K E R T A F  
 683 ACC AAA GAG CAA ATC AGA GAA CTT GAA GCA GAA TTT GCC CAT CAT AAT TAT CTC ACC AGA CTG AGG CGA TAC GAG  
 217 T K E Q I R E L E A E F A H N Y L T R L R R Y E  
 758 ATA GCA GTG AAT CTG GAT CTC ACT GAA AGA CAG GTA AAA GTC TGG TTC CAA AAC AGG CCG ATG AAG TGG AAG AGG  
 242 I A V N L D L T E R Q V K V W F Q N R R H K W K R  
 833 GTA AAG GGT GGA CAG CAA GGA GCT GCG GCT CGG GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTC CCA  
 267 V K G G Q Q G A A A R E K E L V N V K K G T L L P  
 908 TCA GAG CTG TCG GGA ATT GGT GCA GCC ACC CTC CAG CAA ACA GGG GAC TCT ATA GCA AAT GAA GAC AGT CAC GAC  
 292 S E L S G I G A A T L Q Q T G D S I A N G D S' R D  
 941 AGT GAC CAC AGC TCA GAG CAC GCC CAC CTC TGA  
 302 S D H S S E H A H L \*

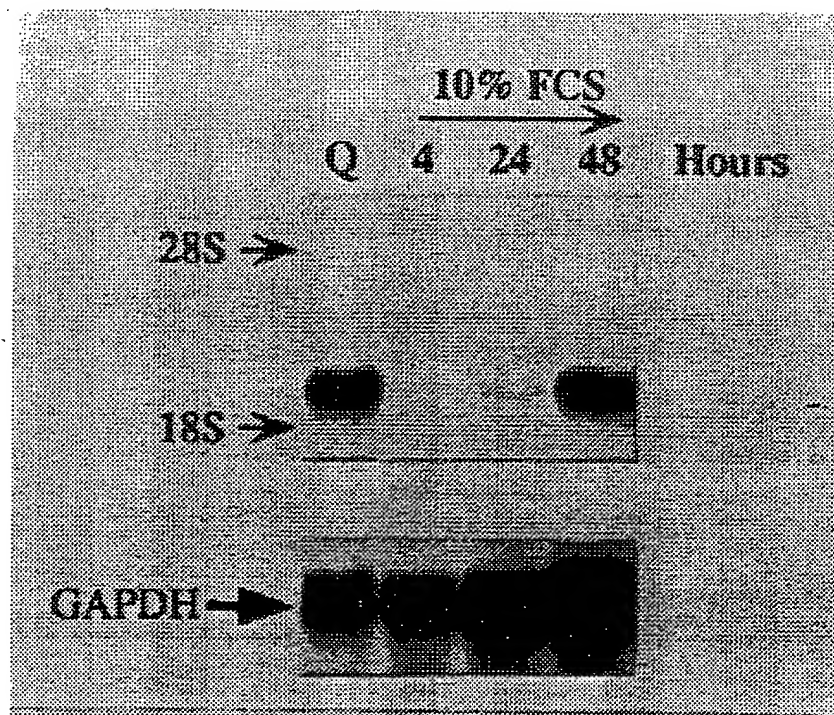


FIG. 5A

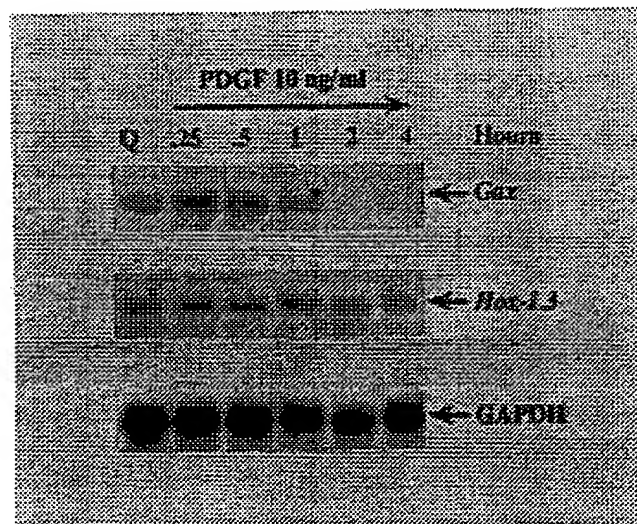


FIG. 5B

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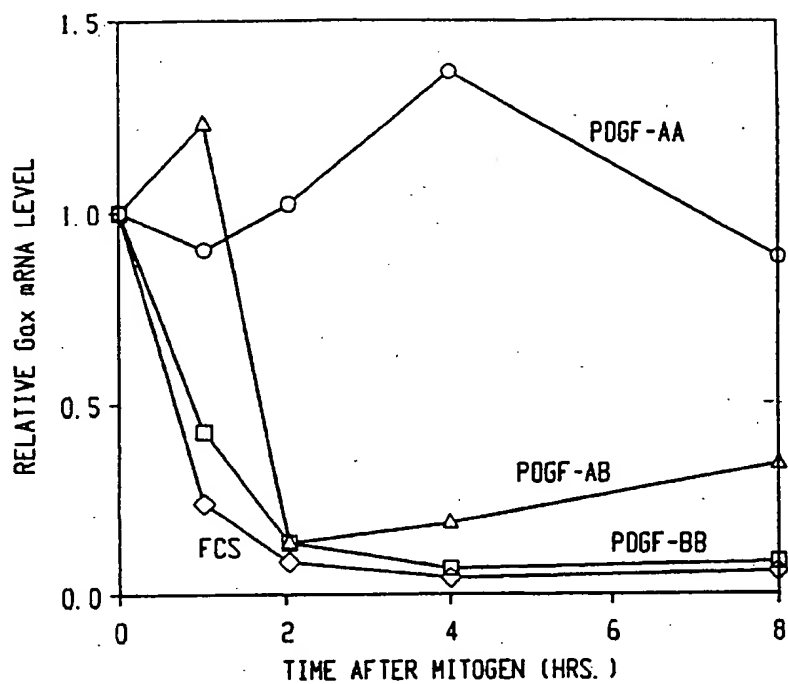


FIG. 6

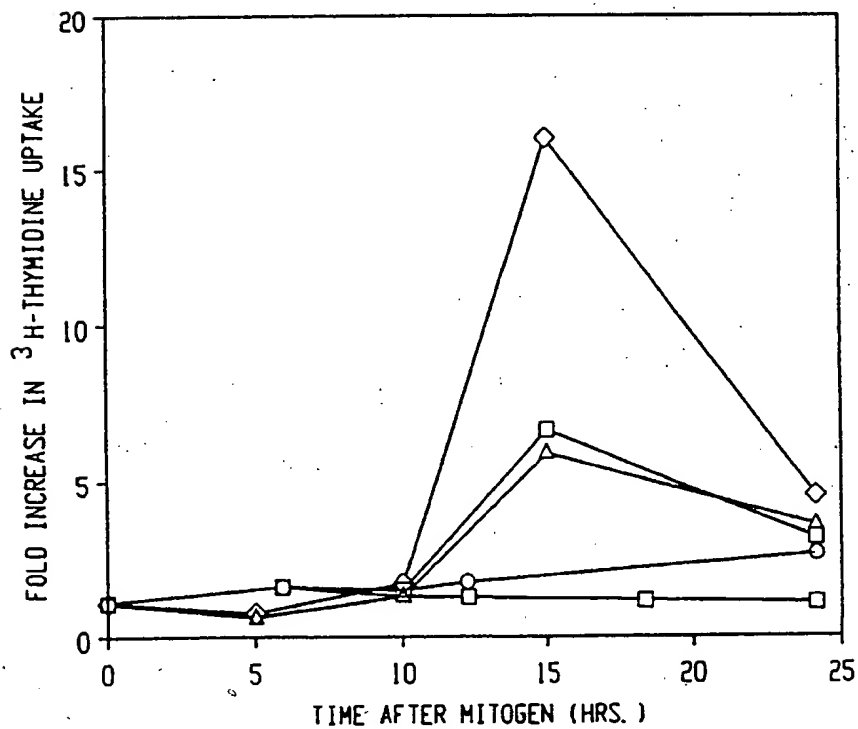


FIG. 7

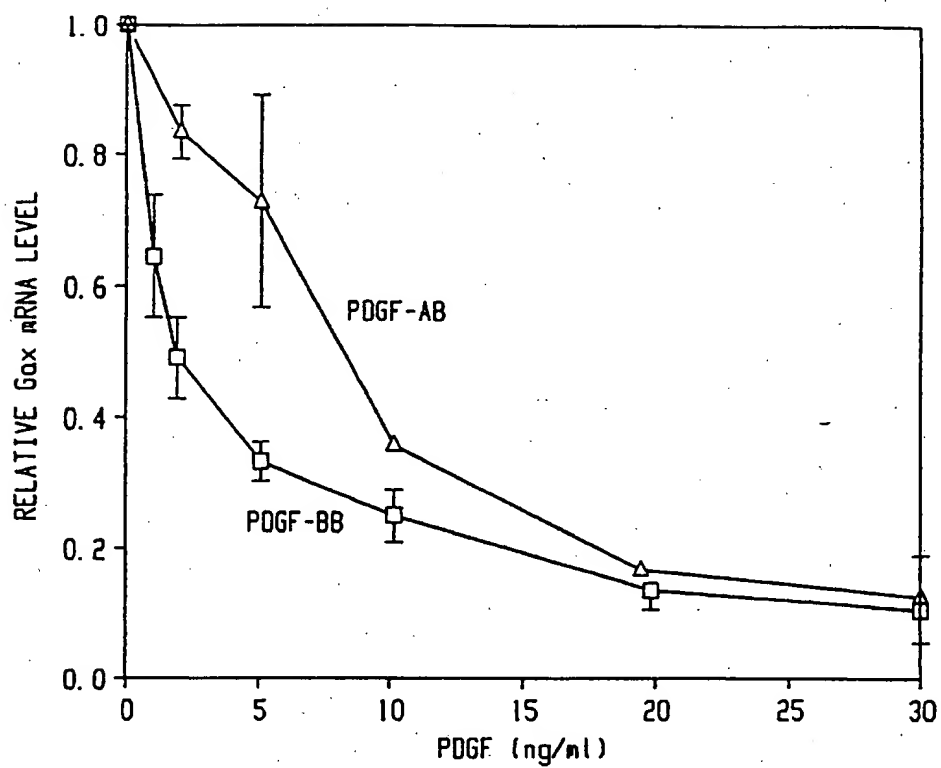


FIG. 8

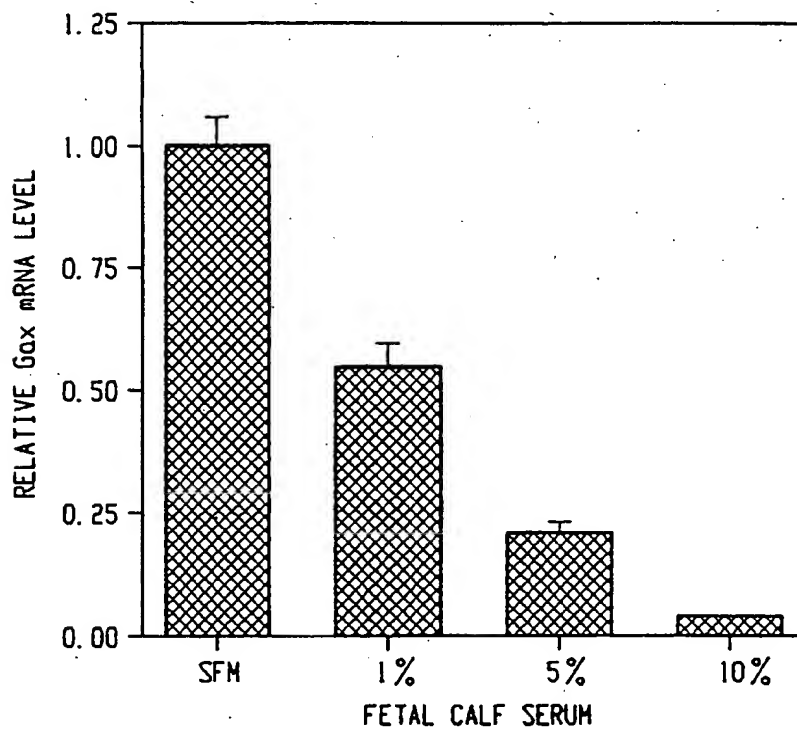


FIG. 9

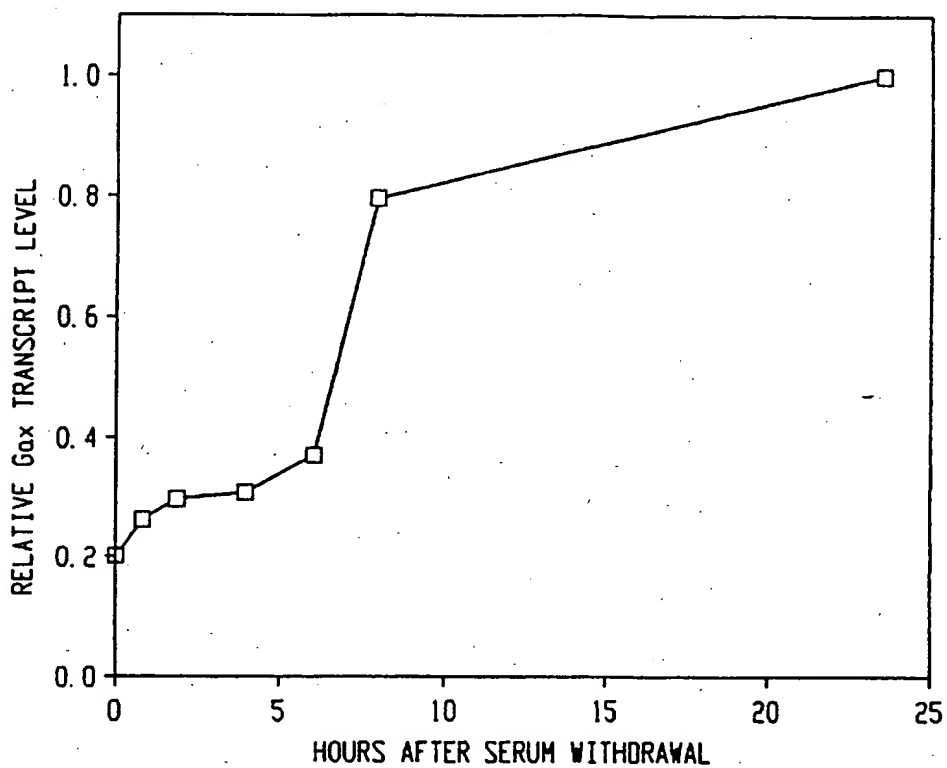


FIG. 10

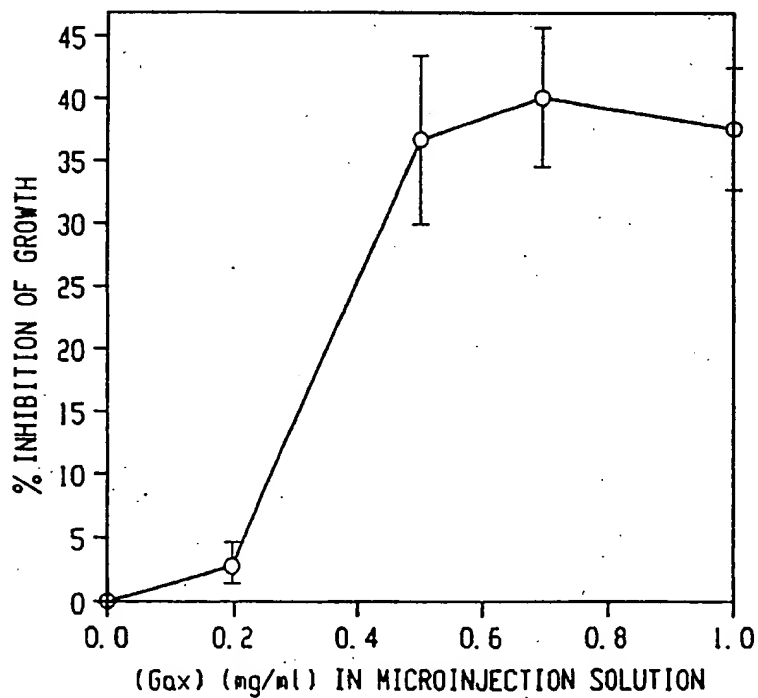


FIG. 11



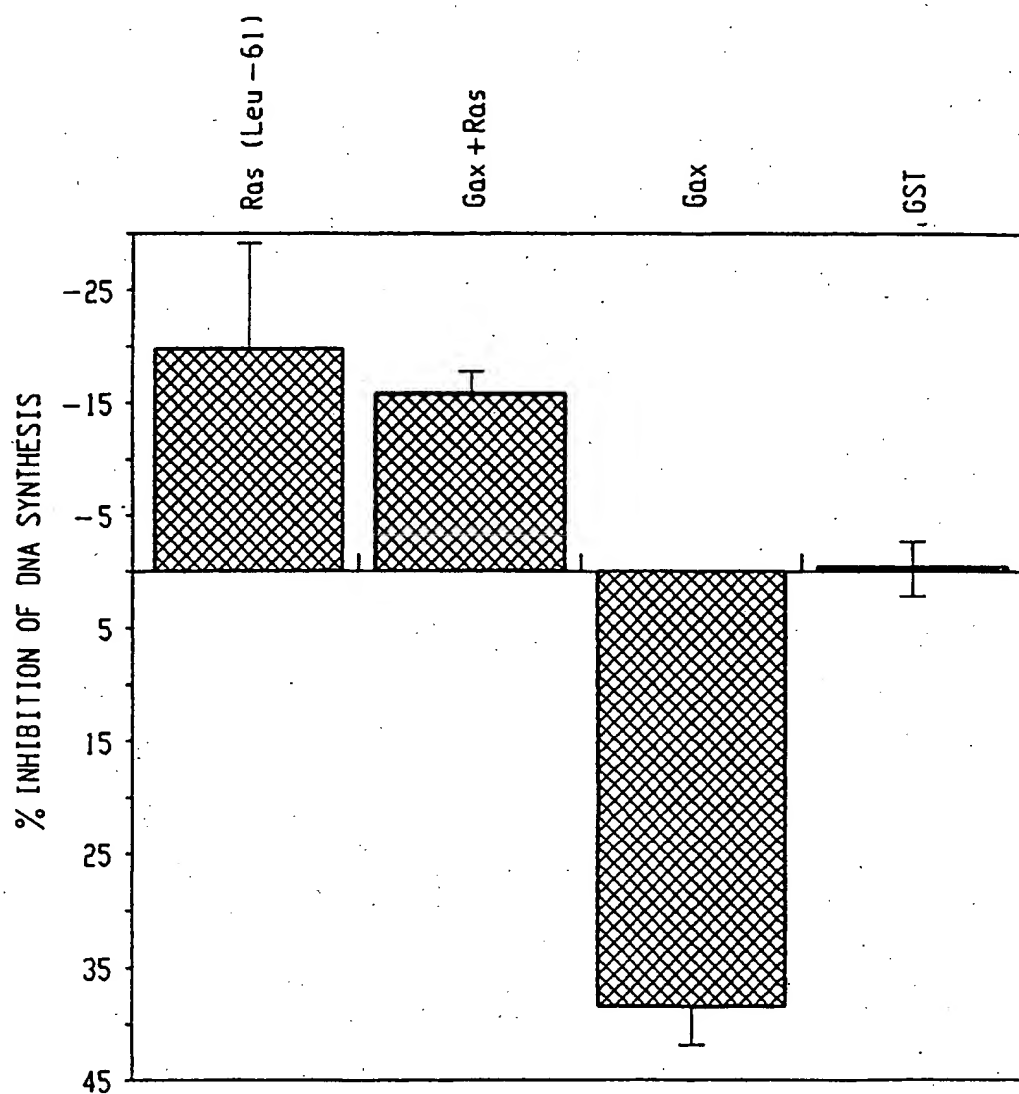


FIG. 12

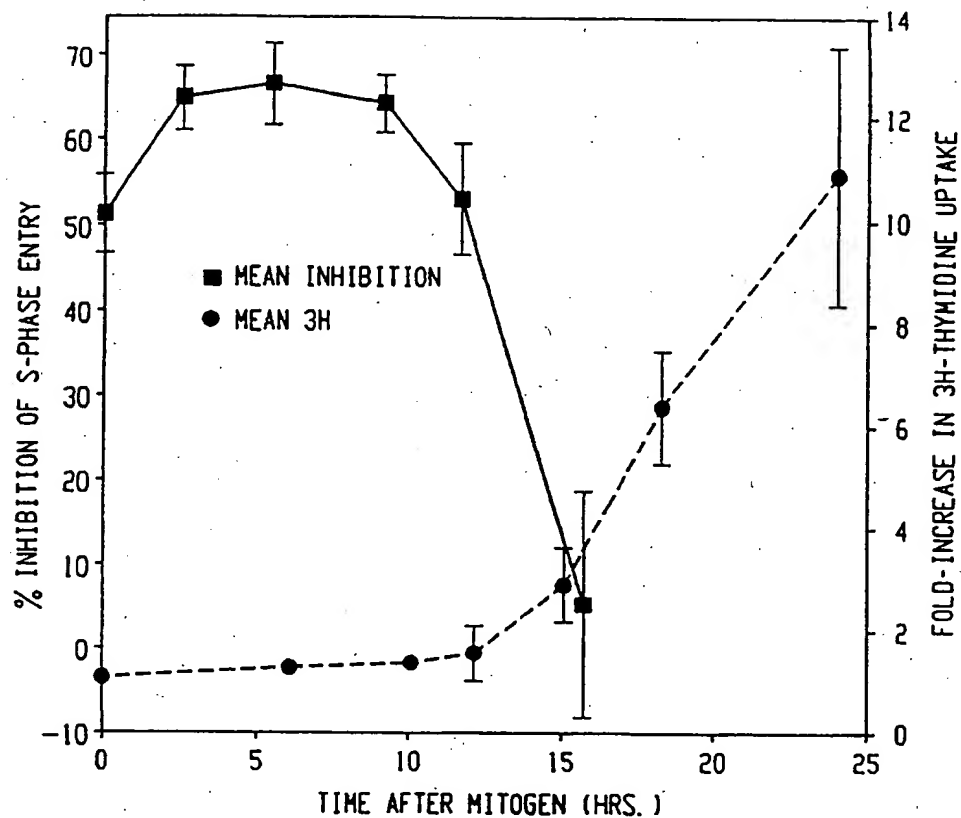


FIG. 13

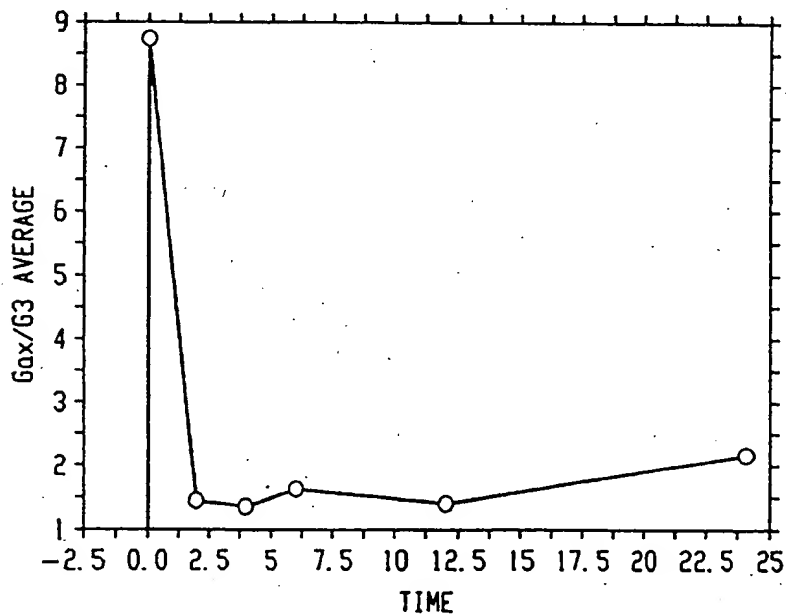


FIG. 14